

Title (en)

METHOD OF PRODUCING A POLYPEPTIDE OR VIRUS OF INTEREST IN A CONTINUOUS CELL CULTURE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES BESTIMMTEN POLYPEPTIDS ODER VIRUS IN EINER KONTINUIERLICHEN ZELLKULTUR

Title (fr)

PROCÉDÉ DE PRODUCTION D'UN POLYPEPTIDE OU D'UN VIRUS D'INTÉRÊT DANS UNE CULTURE CELLULAIRE CONTINUE

Publication

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Application

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Abstract (en)

Described herein is a chemostat-like continuous cell culture system that combines certain advantages of perfusion open systems and chemostat open systems to improve the culturing of mammalian cells, e.g., genetically modified cells, particularly in serum-free or chemically-defined media. The continuous culture system described herein involves culturing mammalian cells in a continuous cell culture system, which comprises a cell retention device, wherein the cell culture system has a dilution rate (D) of less than about 2 d<sup>-1</sup>, and a cell density of less than about 2X10<sup>7</sup> cell/mL. Also described herein is a method for producing a polypeptide and/or virus of interest in a continuous cell culture, the method comprising culturing mammalian cells expressing the polypeptide and/or virus of interest in a continuous cell culture system, which comprises a cell retention device, wherein the cell culture system has a dilution rate (D) of less than about 2 d<sup>-1</sup>, and a cell density of less than about 2X10<sup>7</sup> cell/mL; and recovering the polypeptide and/or virus of interest from medium of the cell culture system.

IPC 8 full level

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CPC (source: EP KR US)

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